Title (en)

POWER CONVERSION DEVICE

Title (de)

LEISTUNGSUMWANDLUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE CONVERSION DE PUISSANCE

Publication

EP 2860423 A1 20150415 (EN)

Application

EP 14815209 A 20140421

Priority

- KR 20130091243 A 20130731
- KR 20140046679 A 20140418
- KR 2014003465 W 20140421

Abstract (en)

A power converting apparatus that may increase a generation efficiency by receiving a power from a power source, producing electricity by rotating an output shaft connected to a generator using a portion of the received power, accumulating a remaining portion of the received power in an energy storage device, and rotating the output shaft using the accumulated energy when a power is not transmitted from the power source, the power source that floats in the ocean, performs irregular motions in vertical and horizontal directions by waves within a predetermined range, and generates an intermittent linear power, is provided.

IPC 8 full level

F03B 13/18 (2006.01); **F16D 43/208** (2006.01); **F16H 19/06** (2006.01); **F16H 31/00** (2006.01); **F16H 33/02** (2006.01)

CPC (source: CN EP RU US)

F03B 13/1885 (2013.01 - CN EP US); **F16D 43/208** (2013.01 - CN EP US); **F16H 19/0622** (2013.01 - CN EP US); **F16H 33/00** (2013.01 - US); **F16H 33/02** (2013.01 - CN EP US); F03B 13/18 (2013.01 - RU); F03B 13/1895 (2013.01 - US); F03B 13/22 (2013.01 - US); F05B 2240/95 (2013.01 - EP US); F05B 2240/97 (2013.01 - EP US); F05B 2260/4031 (2013.01 - CN EP US); F05B 2260/42 (2013.01 - CN EP US); F16D 43/208 (2013.01 - RU); F16H 19/06 (2013.01 - RU); F16H 31/001 (2013.01 - EP US); F16H 33/02 (2013.01 - RU); Y02E 10/30 (2013.01 - CN EP US); Y10T 74/18152 (2015.01 - CN EP US)

Cited by

CN108603482A; ES2638838A1; ES2630735A1; CN106870266A; ES2732238A1; CN111194380A; EP3611370A4; WO2019030534A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2860423 A1 20150415; **EP 2860423 A4 20160406**; **EP 2860423 B1 20180328**; AU 2014297162 A1 20160211; AU 2014297162 B2 20170803; BR 112016001862 A2 20170801; BR 112016001862 B1 20220719; CA 2918495 A1 20150205; CA 2918495 C 20181211; CL 2016000245 A1 20161007; CN 105408662 A 20160316; CN 105408662 B 20180615; CN 105864379 A 20160817; CN 105864379 B 20191001; EC SMU16004357 U 20170331; EP 3112666 A1 20170104; ES 2671820 T3 20180608; JP 2016182951 A 20161020; JP 2016521819 A 20160725; JP 6210245 B2 20171011; JP 6346271 B2 20180620; MX 2016000959 A 20160811; MX 368752 B 20191015; NO 2860423 T3 20180825; PE 20160349 A1 20160427; PH 12016500205 A1 20160425; PH 12016500205 B1 20160425; PT 2860423 T 20180606; RU 2016106584 A 20170830; RU 2631349 C2 20170921; US 2015275847 A1 20151001; US 9995269 B2 20180612; WO 2015016457 A1 20150205

DOCDB simple family (application)

EP 14815209 A 20140421; AU 2014297162 A 20140421; BR 112016001862 A 20140421; CA 2918495 A 20140421; CL 2016000245 A 20160129; CN 201480042787 A 20140421; CN 201610225295 A 20140421; EC PI201604357 U 20160129; EP 16163818 A 20140421; ES 14815209 T 20140421; JP 2016078767 A 20160411; JP 2016518257 A 20140421; KR 2014003465 W 20140421; MX 2016000959 A 20140421; NO 14815209 A 20140421; PE 2016000200 A 20140421; PH 12016500205 A 20160129; PT 14815209 T 20140421; RU 2016106584 A 20140421; US 201414413408 A 20140421